

ABSTRACT

A balloon catheter for medical treatments easily manufacturable at low cost by a rather simple structure by
5 providing a smaller diameter non-profile balloon catheter by
eliminating the need for adhesion and welding of a balloon and
eliminating extra profile at a connection part between the
balloon and a shaft, wherein PTFE may be used for the shaft,
and silicone may be used for the balloon. An inside hollow
10 shaft (3) formed of a balloon material is inserted into an outside
hollow shaft (2) formed of a shaft material, and the tip part of
the inside hollow shaft (3) is projected from the tip end of the
outside hollow shaft (2) to manufacture a double-tube catheter
shaft (2). An expandable balloon (5) is formed of the projected
15 portion of the inside hollow shaft (3), a cap (4) is fitted to the tip
of the inside hollow shaft (3), and the PTFE is used for the
outside hollow shaft (2), with the silicone used for the inside
hollow shaft (3).